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(54) Title: POLYHYDROXYALKANOATE HAVING VINYL GROUP, ESTER GROUP, CARBOXYL GROUP AND SULFONIC ACID GROUP, AND PRODUCTION METHOD THEREOF

(57) Abstract: A novel polyhydroxyalkanoate having a reactive functional group in a molecule, and a production method thereof, etc. are provided. By utilizing the vinyl group of polyhydroxyalkanoate which contains a unit having a vinyl group on a side chain, a polyhydroxyalkanoate which contains a carboxyl group and a unit having an amide group and a sulfonic acid group in a molecule is derived.